

Recently Issued Patents Assigned to IBM

April and May 1966

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Method of Making an Array of Magnetic Storage Elements . . .	E. A. Bartkus, J. M. Brownlow, R. F. Elfant and K. R. Grebe	3,243,870
Marking Apparatus	R. J. Brown, D. B. Derr and F. C. Gut	3,244,139
Wire Wrapping Devices	S. S. Huang	3,244,202
Input-Output Conversion Apparatus	E. G. Nassimbene	3,244,369
Process of Vapor Depositing and Annealing Vapor Deposited Layers of Tin-Germanium and Indium-Germanium Metastable Solid Solutions	C. Chiou, R. A. Connell and D. P. Seraphim	3,244,557
Time Delay Controlled Remote Station Transmission to Central Data Collecting Station	W. M. Wittenberg	3,244,804
Counter Controlled Remote Station Transmission to Central Data Collecting Station	G. J. Evans, Jr.	3,244,805
Vapor Deposition Source	B. I. Bertelsen and N. Theodoseau	3,244,857
Asynchronous Binary Computer System Using Ternary Components	E. H. Sussenguth, Jr.	3,244,865
High to Low Order Arithmetic Calculator	R. F. Schauer	3,244,866
Binary Information Transfer Device	H. J. Oquey	3,244,901
Tunnel Diode Logical Circuit	A. S. Farber	3,244,905
Superconductive Device for Detecting Magnetic Field Intensities	D. J. Dumin	3,244,974
Detection of Bi-Phase Digital Signals	D. H. Rumble	3,244,986
Oscillator with Phase Synchronization	J. S. Chomicki	3,245,003
Superconductive Gating Devices and Circuits Having Two Superconductive Shield Planes	J. J. Lentz	3,245,020
Central to Remote Communication System with Address Modification for the Remote Stations	T. S. Stafford and F. W. Wise	3,245,038
Electronic Data Processing Machine	N. Rochester, C. J. Bashe, W. Buchholz, R. P. Crago, P. E. Fox, J. A. Haddad and B. E. Phelps	3,245,039
Computer Indexing Apparatus	P. S. Herwitz, J. H. Lind and F. J. Sparacio	3,245,042
Message Communication Systems with Interstation Information Storage and Transmission	J. E. Gaffney, Jr. and A. A. Kusnick	3,245,043
Automatic Program Suspension System	R. M. Meade and E. D. Conroy	3,245,044
Integrated Data Processing System	P. L. Randlev	3,245,045
Selective Data Transfer Apparatus	G. A. Blaauw and O. Goering	3,245,047
Computer Clock Phase Lock	R. S. Carter, J. C. Cooper and W. W. Welz	3,245,048
Means for Correcting Bad Memory Bits by Bit Address Storage	F. E. Sakalay	3,245,049
Method for Erasing a Thermoplastic Record	R. J. Brown and J. F. Schomburg	3,245,053
Inductive Memory System with Selectively Operable Inductive Coupling	E. Byron and B. O. Quinn	3,245,054
Semi-Permanent Memory	G. D. Bruce	3,245,058
Magnetic Annealing for Information Storage	O. Kornei	3,245,062
System and Method for Electrical Analysis of Network Interconnections	J. A. Arnold, D. Gordon and M. M. Kutcher	3,246,240
Character Sensing Method and Apparatus	G. L. Shelton, Jr.	3,246,293
Data Processing System	R. Rice and R. A. Rahenkamp	3,246,299
Message Distribution System	A. P. Arneth	3,246,305
Servo Positioning System for Magnetic Disk File	C. B. Stanley	3,246,307
Read Only Memory	C. W. Gear	3,246,315
Coated Objects and Methods of Providing the Protective Coverings Therefor	J. A. Perri and J. Riseman	3,247,428
Character Recognition System Employing a Plurality of Spaced Serial Transducers	B. G. Wood	3,247,483
Character Recognition System	E. C. Greanias and A. Hamburg	3,247,484
Character Recognition System	E. C. Greanias and A. Hamburg	3,247,485
Memory Device Including Function Performing Means	E. H. Sussenguth, Jr.	3,247,489
Automatic Memory Start Circuit for Asynchronous Data Processing System	R. J. Furlong	3,247,492
Method of Fabrication of Crystalline Shapes	F. H. Dill, Jr. and R. F. Rutz	3,247,576
Light Switching Means	U. Cocca and R. Pecoraro	3,247,765
Wet Diaphragm Electrostatic Printer	R. B. Johnson	3,247,825
Component Heat Removal Device	R. C. Chu and J. W. Reis	3,247,896
Printing Head with Means to Position Head Before Striking Movement Begins	H. S. Beattie and J. E. Hickerson	3,247,941
Non-Sprocketed Microfilm Stepping Device	J. B. Money	3,248,029

Moving Record Control	K. Ganzhorn	3,248,030
Contact Printing Transport	W. L. Grabowski and L. F. Herte	3,248,104
Vacuum Evaporation Method to Obtain Silicon Dioxide Film Photoconducting Layers	Y. Budo, H. L. Caswell and J. R. Priest	3,248,256
Electrical Resistance Compositions, Elements and Methods of Making Same	B. Narken and B. Sunners	3,248,261
Substrate for Integrated Electrical Connections	A. H. Mones and K. E. Neisser, Jr.	3,248,345
Electronic Multiplier	D. S. Weed	3,248,474
Full Adder	W. E. Burns	3,248,527
Binary Record Photosensing Apparatus	F. K. Buelow and M. Hilsenrath	3,248,529
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Logic Circuit	F. B. Hartman	3,248,556
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Voltage Threshold Detector	D. H. Chung and D. W. Murphy	3,248,568
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Detector for Information Signals Having an Extremely Low Signal-to-Noise Ratio	R. F. Rutz	3,248,614
Semiconductor Laser with Optical Cavity	C. J. Brown	3,248,658
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Lasers Utilizing Internal Reflection Techniques	F. H. Dill, Jr., W. P. Dumke, G. J. Lasher and M. I. Nathan	3,248,670
Temperature Compensated Semiconductor Resistor	F. H. Dill, Jr., R. F. Rutz and P. P. Sorokin	3,248,671
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Computer Wrap Error Circuit	H. C. Montgomery	3,248,697
Normalizing Multilevel Quantizer	R. S. Carter, W. W. Welz and R. D. Ross	3,248,698
Data Transfer Control System	P. Essinger and E. C. Greanias	3,248,699
Electronic Digital Computing Machines	A. M. Eisenstein and R. F. Murray	3,248,701
Associative Memory System	T. Kilburn and D. B. G. Edwards	3,248,702
Automatic Editor	R. I. Roth and H. Fleisher	3,248,704
Semi-Asynchronous Clock System	J. E. Dammann and E. J. Skiko	3,248,705
Memory Organization for Fast Read Storage	G. T. Paul and S. H. Pitkowsky	3,248,707
Read Only Memory	M. K. Haynes	3,248,708
Device for the Transfer of Information between Magnetic Elements	C. H. Stapper, Jr.	3,248,710
Parametron Selection System	S. Middelhoek	3,248,713
Apparatus for Displaying Characters as a Sequence of Linear Visible Tracers	L. E. West	3,248,714
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Clock Signal Generator	E. Hopner	3,249,763
Oscillator Apparatus Utilizing Esaki Diode	R. F. Rutz	3,249,891
Program Control Element	R. W. Pulver, Jr.	3,249,920
Associative Memory Ordered Retrieval	R. R. Seeber	3,249,921
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Fluid-Operated Shift Register	H. R. Grubb	3,250,470
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Semiconductor Diode Device and Method of Making It	E. M. Davis, Jr.	3,250,964
Semiconductor Ultrasonic Signal-Delay Apparatus Utilizing Integral P-N Junctions as Electromechanical Transducers	L. P. Hunter	3,251,009
Record Card Memories	J. W. Haskell	3,251,043
Fluid Actuated Toolholder	T. W. McGrath	3,251,256
Multistate Memory Circuit	A. L. Scherr	3,252,004
Marginal Checking System	M. E. Homan	3,252,097
Waveform Shaping Circuit	C. E. Schlaepfer	3,252,098
Waveform Shaping System for Slimming Filter Control and Symmetrizing	P. D. Dodd	3,252,099
Variable Gain Optimized Feedback Control System	G. G. Gorbatenko	3,252,101
Data Processing Device	T. E. Digan and R. F. Murray	3,252,144
Fluid-Controlled Memory with Non-Destructive Read Out	J. H. Meier	3,252,481
Visicular-Type Photographic Process and the Preparation of Materials for Such	R. M. Lindquist and E. E. Ryskiewicz	3,252,796
N-Alkenyl Carbazoles	W. A. Hewett	3,252,993
Adder	O. L. MacSorley and F. R. Bielawa	3,253,131
Multistable Circuits Employing Plurality of Predetermined- Threshold Circuit Means	T. B. Horgan	3,253,158
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Test Apparatus for Determining the Opening and Closing Characteristics of Electromagnetic Switching Devices Utilizing Logic Circuitry	M. F. Heilweil and F. J. Soychak	3,253,214
Superconductive Oscillator Circuits	H. Sobol and E. S. Schlig	3,253,232
Cross-Field Control of Transducers	O. M. Baycura	3,253,242
Printed Circuit Card Connector	W. R. McConnell and P. R. Schulz	3,253,246
Character Recognition Employing Partial Superposition of Images	W. E. Goetz and P. H. Howard.	3,253,257
Ring Control Circuits	E. R. Marsh and G. J. Saxenmeyer	3,253,261
Code to Voice Inquiry System and Two-Speed Multi-Unit Buffer Mechanism	L. H. Lee, R. B. Mulvany and R. C. Treseder	3,253,263
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Associative Memory Ordered Retrieval	A. B. Lindquist	3,253,265
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Transistor Long Line Driver-Terminator	J. G. Barcomb and E. T. Kozol.	3,254,237
Readout Device for Computer Systems	T. Einsele	3,254,269
Mounting Apparatus for Electronic Devices	J. R. Garcia and L. A. Harlow	3,254,274